

DESCRIPTION Staramide 6 80E7 is a High Density Polyamide 6 Injection Molding Resin

PROPERTY (1)	UNIT	STANDARD	TYPICAL VALUE (1) Dry As Moulded
--------------	------	----------	-------------------------------------

PHYSICAL

Density	g/cm ³	ISO 1183	2.99
Mold Shrinkage, flow (4mm thickness)	%	E2P Method	0.7 - 1.0

MECHANICAL

Flexural Modulus	MPa	ISO 178	9500
Flexural Stress	MPa	ISO 178	102
Tensile Strain, break	%	ISO 527	0.9
Tensile Stress, break	MPa	ISO 527	74

IMPACT

Izod Impact, notched 80*10*4 +23°C	kJ/m ²	ISO 180/1A	4
Izod Impact, unnotched 80*10*4 +23°C	kJ/m ²	ISO 180/1U	17

THERMAL

HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	°C	ISO 75/Af	132
---------------------------------------	----	-----------	-----

Source LR3356

(1) Typical values for natural color unless specified otherwise. Do not constitute a specification. Significant variations are possible for colors

Starflam, Staramide and Starpylen are registered trademarks of EUROSTAR Engineering Plastics
All information, recommendation or advice giving by Eurostar Engineering Plastics Company, or any of its subsidiaries, affiliates or authorized representatives, is given in good faith. Eurostar Engineering Plastics makes no warranty or guarantee, express or implied about the information provided. Each user of the products shall convince himself, through all available sources (including finished product testing in its appropriate environment) of the suitability of the products supplied for its own particular purpose. Because actual use of the products by the user is beyond the control of Eurostar Engineering Plastics, its subsidiaries and affiliates, such use is in the exclusive responsibility of the user. Eurostar Engineering Plastics cannot be held responsible respectively liable for any loss incurred through the use of the products. Information, recommendations and/or advice are neither made to infringe on any patents, nor to grant a license under any patent or intellectual property right of Eurostar Engineering Plastics or any of its subsidiaries or affiliated companies, nor to grant the right to file for any patent protection.

DESCRIPTION Staramide 6 80E7 is a High Density Polyamide 6 Injection Molding Resin

PARAMETER	SETTING	UNIT
Maximum Moisture Content	0.2	%
Mold Temperature	50 - 90	°C
Rear - Zone 1 Temperature	250 - 260	°C
Middle - Zone 2 Temperature	260 - 280	°C
Front - Zone 3 Temperature	260 - 280	°C
Melt Temperature	260 - 280	°C
Drying Temperature	80	°C
Drying Time	4	hrs

PROCESSING PARAMETERS: see above typical molding conditions.

DRYING: is not essential when material is delivered in sealed bags with moisture content below 0.2%.

BARRELS, SCREWS, MOULDS: use wear resisting steel or alloy such as bimetallic cylinders, nitrided screws.

USE OF REGRIND: the properties of the component should be checked in order to ascertain the maximum acceptable level of regrind.

SAFETY: please refer to Material Safety Datasheet

Source LR3356

(1) Typical values for natural color unless specified otherwise. Do not constitute a specification. Significant variations are possible for colors

Starflam, Staramide and Starpylen are registered trademarks of EUROSTAR Engineering Plastics

All information, recommendation or advice giving by Eurostar Engineering Plastics Company, or any of its subsidiaries, affiliates or authorized representatives, is given in good faith. Eurostar Engineering Plastics makes no warranty or guarantee, express or implied about the information provided. Each user of the products shall convince himself, through all available sources (including finished product testing in its appropriate environment) of the suitability of the products supplied for its own particular purpose. Because actual use of the products by the user is beyond the control of Eurostar Engineering Plastics, its subsidiaries and affiliates, such use is in the exclusive responsibility of the user. Eurostar Engineering Plastics cannot be held responsible respectively liable for any loss incurred through the use of the products. Information, recommendations and/or advice are neither made to infringe on any patents, nor to grant a license under any patent or intellectual property right of Eurostar Engineering Plastics or any of its subsidiaries or affiliated companies, nor to grant the right to file for any patent protection.

EUROSTAR Engineering Plastics, ZI - Rue de la Ferme Saint Ladre, BP2, F/95471 Fosses Cedex FRANCE,

Tel: + 33 1 34 47 47 00, Fax: + 33 1 34 47 47 18 - www.eurostar-ep.com