

Product Information

COMMERCIAL

NORYL®

Modified PPO® Resins

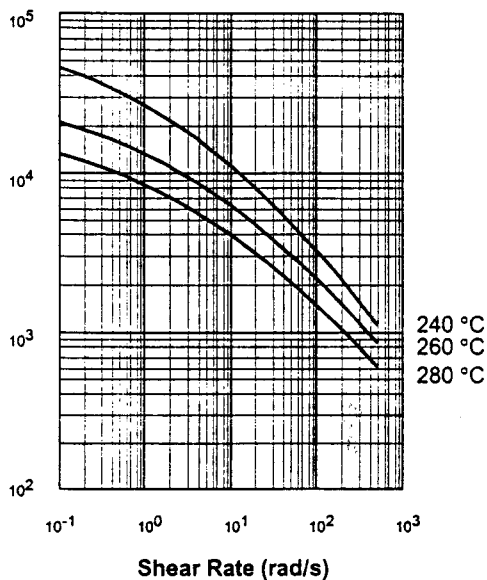
ENV105

NORYL ENV105 is an impact modified extrusion grade with a Vicat B/120 of 115 °C according ISO 306.

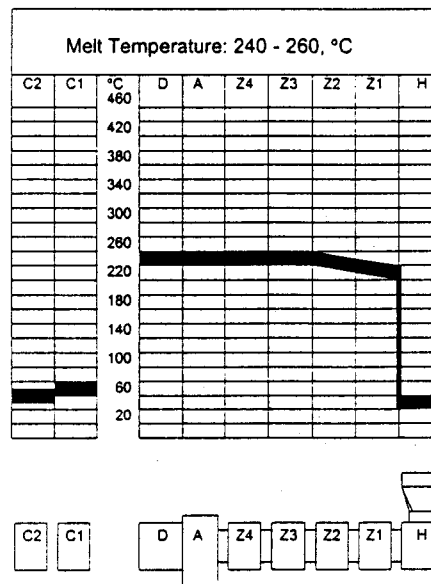
NORYL ENV105 is UL94-V1 and halogen free according VDE/DIN 472 part 815.

RHEOLOGY

Melt Viscosity (Pa.s)



PROCESSING CONDITIONS



Predrying temperature/time : 80 - 90°C / 2-3 hrs
 Recommended melt temperature : 240 - 260 °C
 Recommended calibration temperature: 50 - 70 °C

Note: Noryl ENV105 can be generally extruded on the standard available extruders. The die should have a landlength of 20 - 25 times the wall thickness and a 5-15% oversize, depending on profile dimensions.

TYPICAL PROPERTIES ¹⁾	TYPICAL VALUE	UNIT	STANDARD
PHYSICAL			
Density	1.10	g/cm ³	ISO 1183
Water Absorption (23 °C / sat.) 1L	0.15	%	DIN 53495
Moisture Absorption (23 °C / 50% RH) 1L	0.06	%	DIN 53495
Mould Shrinkage on Tensile Bar, flow 2)	0.5-0.7	%	ASTM D955
RHEOLOGICAL			
Melt Viscosity, MV 282 °C / 1500 s-1	270	Pa.s	DIN 54811
Melt Volume Rate, MVR 280 °C / 5 kg	7	cm ³ /10min.	ISO 1133



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