

PRODUCT DATASHEET

GUJLON[®] - E35

PA 6 - unfilled, medium melt viscosity

Properties	Specifications (d.a.m*)	Unit	Test Method
MECHANICAL PROPERTIES			
Tensile Strength at yield	700 ± 50	kg/cm ²	ASTM D 638
Elongation at yield	5	%	ASTM D 638
Elongation at break	250 ± 20	%	ASTM D 638
Flexural Strength	875 ± 50	kg/cm ²	ASTM D 790
Flexural Modulus of Elasticity	21 - 23	kg/cm ² in 000's	ASTM D 790
Izod Impact Strength-Notched	3 - 4.5	kg.cm /cm of notch	ASTM D 256
Rockwell Hardness	120 ± 5	RHR	ASTM D 785
THERMAL PROPERTIES			
Heat Deflection Temp. At 264 psi	60 ± 2	°C	ASTM D 648
At 66 psi	155 ± 5	°C	ASTM D 648
Vicat Softening Temp.	215 ± 3	°C	ASTM D 1525
Max. Usage Temperature In Air	80	°C	—
In Water	70	°C	—
In Oil	100	°C	—
ELECTRICAL PROPERTIES			
Dielectric Strength	26 - 28	kV/mm	ASTM D 149
CHEMICAL PREOPERTIES			
Relative Viscosity	3.00 - 3.65	—	SOP:43:230
% Moisture	Max. 0.1	%	SOP:43:188
Water Extractable	Max. 0.6	%	SOP:43:270
NH ₂ End Group	35 - 50	meq/kg	SOP:43:109
COOH End Group	35 - 50	meq/kg	SOP:43:133
OTHER PROPERTIES			
Specific Gravity	1.12 - 1.14	—	ASTM D 792
PROCESSING PARAMETERS			
Die Temperature (°C)	230 - 235		
APPLICATIONS			
It can be used in various industrial applications viz monofilaments, strappings, zippers, cords, profiles & films.			

* dry as moulded

Disclaimer

All data and information contained herein are believed to be accurate, they are provided for guidelines only, and risk and liabilities for results obtained by use of the products in applications are assumed by the user. No warranties of any kind, either expressed or implied, including, but not limited to, warranties of merchantability or fitness for a particular purpose, are made regarding products described or information and data set forth in this publication.