Ultramid® 8350 HS (Cond) Polyamide 6 BASF Corporation



Product Description

Ultramid 8350 HS is a heat stabilized, impact modified type 6 graft copolymer developed for extrusion, tubing, and jacketing applications requiring a high level of toughness combined with a moderate level of flexibility. It is also available in non-heat stabilized (Ultramid 8350) and/or pigmented versions.

General			
Material Status	Commercial: Active		
Availability	North America		
Additive	 Heat Stabilizer 	 Impact Modifier 	
Features	 Copolymer Good Abrasion esistance Good Chemical esistance Good Dimensional Stability Good Flexibility 	 Good Flow Good Processability Good Stiffness Good Thermal Aging esistance Good Toughness 	 Heat Stabilized High Impact esistance Impact Modified Low Viscosity Semi Crystalline
Uses	Automotive ApplicationsHydraulic Applications	TubingWire Jacketing	
Agency atings	 ULC Unspecified ating 		
oHS Compliance	 oHS Compliant 		
Appearance	Colors Available	 Natural Color 	White
Forms	Pellets		
Processing Method	Extrusion	 Injection Molding 	Profile Extrusion

lechanical	Nominal Value Unit	Test Method
Tensile modulus	675 MPa	ISO 527-2 ²
Tensile Strength		
Yield, -40°C	95.0 MPa	ASTM D638 ISO 527-2
Yield, 23°C	32.0 MPa	ASTM D638
Yield	32.0 MPa	ISO 527-2 ²
Tensile Elongation		
Yield, 23°C	9.0 %	ASTM D638
Yield	9.0 %	ISO 527-2 ²
Break, 23°C	> 100 %	ASTM D638
Nominal strain at break	> 50 %	ISO 527-2 ²
Flexural Modulus		ASTM D790
-40°C	2760 MPa	
23°C	620 MPa	
Flexural Strength		ASTM D790
-40°C	120 MPa	
23°C	30.0 MPa	
mpact	Nominal Value Unit	Test Method
Notched Izod Impact		ASTM D256
-40°C	155 J/m	
23°C	No Break	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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