

# Ultramid® 8350 HS (Cond)

Polyamide 6

BASF Corporation



Prospector

## 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 resistance • Good Chemical resistance • Good Dimensional Stability • Good Flexibility	• Good Flow • Good Processability • Good Stiffness • Good Thermal Aging resistance • Good Toughness	• Heat Stabilized • High Impact resistance • Impact Modified • Low Viscosity • Semi Crystalline
Uses	• Automotive Applications • Hydraulic Applications	• Tubing • Wire Jacketing	
Agency ratings	• ULC Unspecified rating		
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• White
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	675	MPa	ISO 527-2 <sup>2</sup>
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 <sup>2</sup>
Tensile Elongation			
Yield, 23°C	9.0	%	ASTM D638
Yield	9.0	%	ISO 527-2 <sup>2</sup>
Break, 23°C	> 100	%	ASTM D638
Nominal strain at break	> 50	%	ISO 527-2 <sup>2</sup>
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	

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	155	J/m	
23°C	No Break		

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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