## 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	<ul> <li>Heat Stabilizer</li> </ul>	<ul> <li>Impact Modifier</li> </ul>	
Features	<ul> <li>Copolymer</li> <li>Good Abrasion esistance</li> <li>Good Chemical esistance</li> <li>Good Dimensional Stability</li> <li>Good Flexibility</li> </ul>	<ul> <li>Good Flow</li> <li>Good Processability</li> <li>Good Stiffness</li> <li>Good Thermal Aging esistance</li> <li>Good Toughness</li> </ul>	<ul> <li>Heat Stabilized</li> <li>High Impact esistance</li> <li>Impact Modified</li> <li>Low Viscosity</li> <li>Semi Crystalline</li> </ul>
Uses	<ul><li>Automotive Applications</li><li>Hydraulic Applications</li></ul>	<ul><li>Tubing</li><li>Wire Jacketing</li></ul>	
Agency atings	<ul> <li>ULC Unspecified ating</li> </ul>		
oHS Compliance	<ul> <li>oHS Compliant</li> </ul>		
Appearance	Colors Available	<ul> <li>Natural Color</li> </ul>	White
Forms	Pellets		
Processing Method	Extrusion	<ul> <li>Injection Molding</li> </ul>	Profile Extrusion

lechanical	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	
mpact	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.

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