

Ultramid® 8270 HS (Cond)

Polyamide 6
BASF Corporation

Product Description

Ultramid 8270 HS is a thermally modified PA6 blow molding compound exhibiting exceptional toughness and melt strength ideally suited for blow molding, profile extrusion, and other applications requiring extra high melt viscosity. It exhibits excellent permeability and chemical resistance to oils, hydrocarbons and most solvents.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Melt Strength • Good Processability • Good Stiffness • Good Thermal Aging Resistance • Heat Stabilized • Semi Crystalline • Ultra High Toughness • Very high Viscosity
Uses	• Automotive Under the Hood • Fuel Tanks • Industrial Containers
Agency Ratings	• ULC Unspecified Rating
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Blow Molding • Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, -40°C	119	MPa	
Yield, 23°C	46.0	MPa	
Flexural Modulus			ASTM D790
-40°C	3900	MPa	
23°C	760	MPa	
Flexural Strength			ASTM D790
-40°C	176	MPa	
23°C	37.0	MPa	

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	48.0	J/m	
23°C	No Break		

Notes

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

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

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备注：以上原料物性数据由厂家发布, 我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！