

Ultramid® 8270 HS BK-102 (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid 8270 HS BK-102 is a thermally modified pigmented black, 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.

Applications:

Ultramid 8270 HS BK-102 is generally recommended for applications such as industrial containers, small gasoline tanks, and automotive under hood reservoirs.

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 • Oil Resistant • Semi Crystalline • Solvent Resistant • Ultra High Toughness • Very high Viscosity
Uses	• Automotive Under the Hood • Fuel Tanks • Industrial Applications • Industrial Containers • Profiles
Agency Ratings	• ULC Unspecified Rating
Appearance	• Black
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.

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