

Producer: Republic Plaza / Singapore

HDD7054J

Product Overview:

HDD7054J resin a narrow molecular weight distribution copolymer designed to offer excellent impact strength and toughness with good stiffness. This resin has good processability over a wide range of molding conditions.

Additive :

Antiblock < No

Slip < No

Processing Aid < No

Main Characteristics :

- For Structural Foams , Industrial Containers, Cases / Crates
- Excellent Impact Strength, Toughness and Good Stiffness

PROPERTIES	TYPICAL VALUE	UNIT	TEST METHOD
Density	0.954	g / cc	ASTM D792
Melt Flow Index (190°C/2.16 kg)	7.0	g / 10 min	ASTM D1238
Melting Temperature (DSC)	269 (131)	°F (°C)	Dow Method
Vicat softening Temperature	256 (124)	°F (°C)	ASTM D1525
Tensile Yield (crosshead speed 2.0in./min.)	3,000 (21)	psi (Mpa)	ASTM D638
Ultimate Tensile (crosshead speed 2.0in./min.)	2,400 (17)	psi (Mpa)	ASTM D638
Ultimate Elongation (crosshead speed 2.0in./min.)	700	%	ASTM D638
Notched Izod Impact @ -50 °C	1,2 (65)	ft-lbf/in (J/m)	ASTM D256
Notched Izod Impact @ 23 °C	2,3 (123)	ft-lbf/in (J/m)	ASTM D256
Flexural Modulus	146,000 (1007)	psi (Mpa)	ASTM D790
Tensile Modulus -2% Secant	97,000 (669)	psi (Mpa)	ASTM D790

* These are typical properties : not to be construed as specification. Users should confirm results by their own tests.

* Complies potential food contact application (e.g. FDA)

Fabrication Conditions For Injection Molding :

- Molding using DEMAG 150
- Barrel Temperature, recommend do not exceed 550 °F (228°C) barrel temperature : 374 °F (190 °C)
- Chill Water Temperature :55 °F (13 °C)
- Fill Time : 1 second
- Hold Time : 5 seconds