

Producer: The Dow Chemical Company (DOW)/ The United States (USA)

HDPE 08454N

Description:

DOW™ 08454N resin is 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.

Applications:

- For structural foams, industrial containers, cases/crates
- Excellent impact strength, toughness and good stiffness

PROPERTIES	NOMINAL VALUE (ENGLISH)	NOMINAL VALUE (SI)	TEST METHOD
<u>Physical</u>			
Density	0.952 g/cm ³	0.952 g/cm ³	ASTM D792
Melt Index at (190 °C/ 2.16 kg)	7.0 g/10 min	7.0 g/10 min	ASTM D 1238
<u>Mechanical</u>			
Tensile Modulus-2% Secant	9700 psi	669 Mpa	ASTM D638
Tensile Strength Yield	3000 psi	20.7 Mpa	ASTM D638
Tensile Strength Break	2400 psi	16.5 Mpa	ASTM D638
Tensile Elogation Break	700%	700%	ASTM D638
Flexural Modulus	146000 psi	1010 Mpa	ASTM D790
<u>Impact</u>			
Notched Izod Impact		158 kJ/m ²	ASTM D256
-58 °F (-50 °C)	1.2 ft.lb/in		ASTM D256
-73 °F (23 °C)	2.3 ft.lb/in		ASTM D256
<u>Thermal</u>			
Vicat Softening Temperature	256 °F	124 °C	ASTM D1525
Melting Temperature (DSC)	269 °F	132 °C	DOW METHOD
<u>Additional Information</u>			
Plague molded and tested in accordance with			ASTM D4976

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.