

Environmental Stress-Crack

10% Igepal

Resistance

Qplast™ QPHJ 860A High Density Polyethylene

Qplast™ QPHJ 86OA is a high density homopolymer resin known for its exceptional stiffness, combined with a strong balance of processability and impact resistance at low temperatures. This resin is ideally suited for applications that need high stiffness or enabling down-gauging. It also delivers superior performance in structural foam applications.

ASTM D1693B

Supplier		Oplast				
Additive		Antioxidant: Yes; UV Stabilizer: No				
Applications		 Cases Hot Fill Packaging Pails Pallets Totes Bins Crates 				
Resin Properties						
	Typical Value (English)	Typical Value (SI)	A CTM D1505			

	Typical Value	(English)	Typical Value	(SI)	ASTM D1505	
Density	0.965	g/cm³	0.965	g/cm³	ASTM D1505	
Melt Index (190°C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238	
Dools Molting Town ereture	275	°Г	175	ог	A CTM D1070	

Melt Index (190°C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Peak Melting Temperature	275	°F	135	°F	ASTM D1238
Thermal					
Deflection Temperature Under Load (DTUL) at 66 psi — Unannealed	189	°F	87	°C	ASTM D648
Deflection Temperature Under Load (DTUL) at 264 psi — Unannealed	119	°F	49	°C	ASTM D648B
Molded Properties					
Tensile Strength at Yield	4300	psi	30	MPa	ASTM D638
Elongation at Break	440	%	440	%	ASTM D638
Flexural Modulus					ASTM D790B
1% Secant 2% Secant	270000 230000	•	1900 1600		

3 hr

3 hr

Notched Izod Impact (-40°F (-40°C))	0.89 ft·lb/in	47 J/m	ASTM D256	
Disclaimer		The information presented in this document is believed to be accurate as of the date of publication. However, it is provided for		
		general informational purposes only. It does not imply any express or		

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