Qplast™
QPHJ 752 Series
High Density Polyethylene

Qplast™ QPHJ 752 is a narrow weight hexene copolymer resin designed for exceptional processability. It contains an optimal balance of ESCR, toughness, and stiffness. This resin is ideally suited for heavy-duty applications demanding reliable performance under conditions that include sub-zero temperatures.

Supplier	Qplast
Additive	QPHJ 752: Antioxidant: Yes QPHJ 752.AS: Antistatic: Yes
Applications	• Industrial Components • Industrial Pails • Lawn & Garden Accessories • Housewares • Structural Foam Articles

Resin Properties

	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.951	g/cm³	0.951	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	6.7	g/10 min	6.7	g/10 min	ASTM D1238 (mod)
Peak Melting Temperature	270	°F	132	°C	ExxonMobil Method

Thermal

DTUL at 66psi — Unannealed	163	°F	73	°C	ASTM D648
DTUL at 264psi — Unannealed	115	°F	46	°C	ASTM D648

Molded Properties

Tensile Strength at Yield	3600	psi	25	MPa	ASTM D638
Elongation at Yield	1300	%	1300	%	ExxonMobil Method
Flexural Modulus					ASTM D790B
1% Secant	190000	psi	1300	MPa	
2% Secant	160000	psi	1100	MPa	
Environmental Stress-Crack Resistance	4	hr	4	hr	ASTM D1693B
10% Igepal, F50					

Impact

Notched Izod Impact (-40°F (-40°C))	0.92 ft·lb/in	49 J/m	ASTM D256

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