

# Qenos PE HD1155

High Density (HMW) Polyethylene

Qenos Pty Ltd

Message:

HD1155 is a very high molecular weight High Density Polyethylene copolymer resin, especially formulated for use in large part moldings where strength and rigidity are of importance. It combines excellent impact strength with good ESCR.

HD1155 is especially suited for blow molding self-supporting drums and industrial containers. HD1155 is also suitable for Dangerous Goods (DG) applications - depending on the design of the container, the goods to be stored and the DG grouping. Suitability for use in any application should be determined by appropriate performance testing.

General Information			
Features	Copolymer		
	Good Strength		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Molecular Weight		
	High Rigidity		
Uses	Drums		
	Industrial Containers		
Agency Ratings	AS 2070-1999 4.1.1(a)		
	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.070	g/10 min	
190°C/21.6 kg	9.0	g/10 min	
190°C/5.0 kg	0.40	g/10 min	
Environmental Stress-Cracking Resistance			ASTM D1693B
10% Igepal, F50	250	hr	
100% Igepal, F50	> 1000	hr	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	990	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C)	250	J/m	ASTM D256A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

