

# YUCLAIR® DX800

Medium Density Polyethylene

SK Global Chemical

Message:

YUCLAIR DX800 is controlled medium density ethylene-1-octene-copolymer polyethylene for substituting XLPE. YUCLAIR DX800 offers excellent long term hydrostatic strength and brilliant pipe surface combined with good processability. It contains UV-stabilizer, for use in product requiring out-door weathering resistance.

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good Processability		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Piping		
Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.64	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	> 10000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (Break)	38.2	MPa	ASTM D882
Tensile Elongation - MD (Break)	800	%	ASTM D882
Flexural Modulus - MD	451	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525

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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



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