

Alathon®

# L 5332CP

## High Density Polyethylene Sheet and Profile Extrusion Grade Melt Index 0.32 Density 0.953

### Applications

ALATHON L 5332CP, formerly known as LYHD 048, is designed to meet the requirement of AASHTO M294 stress crack resistance. It exhibits excellent processing stability and high crush resistance. Typical applications include corrugated pipe, conduit and profile extruded applications. L 5332CP conforms to ASTM D 3350 cell classification 335430A.

### Certification

L 5332CP meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

### Processing Techniques

Specific recommendations for processing L 5332CP can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

### Physical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.32	g/10 min	D 1238
Density	0.953	g/cc	D 1505
Tensile Strength @ Yield	4,000	psi	D 638
Elongation @ Yield	8	%	D 638
Tensile Strength @ Break	5,300	psi	D 638
Elongation @ Break	>800	%	D 638
1% Secant Modulus	179,000	psi	D 790
Tensile Impact	235	ft-lb/in.	D 1822
Heat Deflection Temperature @ 66 psi	62	°C	D 648
Vicat Softening Point	127	°C	D 1525
Hardness, Shore D	66		D 2240
NCTL	>24	hrs	AASHTO M294

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