



Technical Data

PC-70 NOZZLE MIX CHROME-PERICLASE CASTABLE Preliminary Data

FEATURES	A high density chrome containing vibration cast mix resistant to chemical corrosion in a wide range of acidic and basic applications.																				
PHYSICAL PROPERTIES (ASTM procedures used where applicable)		<u>g/cm³</u>	<u>lb/ft³</u>																		
	Bulk Density: Dried at 300°F/150°C	2.86	179																		
	Cold Crushing Strength: Dried to 300°F/150°C	<u>kg/cm²</u> 550	<u>lb/in²</u> 13400																		
	Porosity: Dried to 300°F/150°C	8.4%																			
CHEMICAL ANALYSIS (Ignited)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">MgO (by Diff.)</td> <td style="width: 20%; text-align: right;">83.1%</td> <td style="width: 20%;"></td> </tr> <tr> <td>SiO₂</td> <td style="text-align: right;">4.7</td> <td></td> </tr> <tr> <td>CaO</td> <td style="text-align: right;">1.2</td> <td></td> </tr> <tr> <td>Al₂O₃</td> <td style="text-align: right;">2.1</td> <td></td> </tr> <tr> <td>Cr₂O₃</td> <td style="text-align: right;">5.2</td> <td></td> </tr> <tr> <td>Fe₂O₃</td> <td style="text-align: right;">3.7</td> <td></td> </tr> </table>			MgO (by Diff.)	83.1%		SiO ₂	4.7		CaO	1.2		Al ₂ O ₃	2.1		Cr ₂ O ₃	5.2		Fe ₂ O ₃	3.7	
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MIXING INSTRUCTIONS	Optimum water for casting: 5.0 - 6.0%																				
PACKAGING	Standard 55 pound (25 kg) moisture-proof bags																				

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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